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In the Claims:

1. (CURRENTLY AMENDED) A computer implemented method for managing mobile workers in an object oriented programming environment comprising the steps of:

classifying within a database of a computer a plurality of target objects corresponding to facilities assets to be worked on by a mobile worker;

defining the attributes attributes of each target object, including the tasks any tasks to be performed on each target object;

scheduling mobile workers for the tasks to be performed on target objects by running a rule engine to determine the algorithms algorithms and heuristics to be used to schedule mobile workers for the tasks to be performed; and

outputting a schedule of jobs to the mobile workers.

- 2. (ORIGINAL) A method according to Claim 1, and further comprising the step of classifying the plurality of target objects within a server computer and outputting the schedule to a client computer operated by a mobile worker.
- 3. (ORIGINAL) A method according to Claim 1, and further comprising the step of communicating with a mobile worker via a telecommunications link and a hand-held, web based device.
- 4. (ORIGINAL) A method according to Claim 1, and further comprising the step of building a plurality of user configured system agents for one of at least automating work

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planning, scheduling tasks to workers, dispatching workers, stores management, job state management or end-of-shift management.

- 5. (ORIGINAL) A method according to Claim 4, wherein the rule engine comprises a forward chaining rule engine with different rule sets for each system agent.
- 6. (ORIGINAL) A method according to Claim 1, wherein the rule engine determines a primary scheduling algorithm and parameters to be used for scheduling jobs to workers.
- 7. (CURRENTLY AMENDED) A method according to Claim 6, wherein the primary scheduling algorithm comprises a brute force scheduling algorithm that is operable by determining an number of jobs and m workers, trying all combinations of n jobs on the schedules for m workers and choosing assignments that maximize the maximize a total utility of the workers' schedules.
- 8. (ORIGINAL) A method according to Claim 6, wherein the primary scheduling algorithm comprises a round robin scheduling algorithm that is operable by assigning jobs to mobile workers sequentially after ordering an unassigned job queue based on a change in job utility.
- 9. (CURRENTLY AMENDED) A method according to Claim 6, wherein the primary scheduling algorithm comprises a scheduling algorithm that assigns jobs to workers that maximize the maximize a job's utility.

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- 10. (CURRENTLY AMENDED) A method according to Claim 9, wherein the wherein an unassigned job queue is ordered from the highest a highest utility to the lowest a lowest utility.
- 11. (CURRENTLY AMENDED) A method according to Claim 9, wherein the wherein an unassigned job queue is ordered from a lowest the lowest utility to the highest a highest utility.
- 12. (CURRENTLY AMENDED) A method according to Claim 1, wherein the algorithm comprises a rescheduling algorithm that is operable by determining the utility a utility of unassigned jobs and rescheduling the assigned assigned jobs, replacing some assigned jobs with unassigned jobs on workers' schedules, based on an added utility.
- 13. (ORIGINAL) A method according to Claim 1, and further comprising the step of maintaining a historical database that reflects all changes in system configuration, including targets and tasks, based on running system agents and on user interactions.
- 14. (ORIGINAL) A method according to Claim 1, and further comprising the step of viewing status and changes of task, system agents and schedules of jobs within a business viewer.
- 15. (ORIGINAL) A method according to Claim 1, and further comprising the step of maintaining a system log of all activities.

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- 16. (ORIGINAL) A method according to Claim 1, and further comprising the step of maintaining a policy database that allows users to configure system agents and a plurality of use cases corresponding to human and system interaction and definitions.
- 17. (ORIGINAL) A method according to Claim 1, and further comprising the step of building definitions of targets and their tasks, according to the classification of the targets as templates, and using the templates to create each individual target of the classification.
- 18. (CURRENTLY AMENDED) A computer implemented method for managing mobile workers in an object oriented programming environment comprising the steps of:

classifying the attributes attributes of each target object, including the tasks to be performed on each target object;

building user configured system agents and software components that automate the system environment for managing mobile workers;

scheduling mobile workers for the tasks tasks to be performed on target objects by running a rule engine to determine the algorithms algorithms and heuristics to be used to schedule mobile workers for the tasks tasks to be performed;

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configuring system agents and software components with user configured settings of a policy database that are reflective of a particular business; and

outputting a schedule of jobs to the mobile workers.

- 19. (CURRENTLY AMENDED) A method according to Claim 18, and further comprising the step of updating the policy database interactively wherein the system agents and other software components update their actions based on the present any present contents of the policy database.
- 20. (CURRENTLY AMENDED) A method according to Claim 18, and further comprising the step of simulating the workings any workings of the system environment for determining the values any values to be used within the policy database.
- 21. (CURRENTLY AMENDED) A method according to Claim 20, wherein said step of simulating further comprises the step of:
 - a) setting policy database values;
- b) simulating resultant operations of system agents and software components and viewing the results;
- c) iterating between steps a and b to view the impact of setting policy database variables to various values; and
- d) using the results of a through c to determine the optimum any optimum values to use for the policy values in a live operational system.
- 22. (CURRENTLY AMENDED) A method of managing mobile workers comprising the steps of:

creating a job classification within a planning agent module of a computer corresponding to a collection of tasks to

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schedule, and the worker any worker skills and material required to complete the tasks;

based on a plurality of rules contained within a rule engine, matching the worker skills with the tasks to be scheduled; and

outputting a schedule for mobile worker management.

- 23. (CURRENTLY AMENDED) A method according to Claim 22, and further comprising the step of matching worker skill resources with the demands any demands of a job within a scheduler agent of the computer.
- 24. (CURRENTLY AMENDED) A method according to Claim 22, and further comprising the step of tracking the location a location and status of a workforce via a dispatcher agent of the computer.
- 25. (CURRENTLY AMENDED) A method according to Claim 22, and further comprising the step of issuing system events within the computer and determining how the status any status of active job agents within the computer respond via a job state manager agent contained within the computer.
- 26. (CURRENTLY AMENDED) A computer implemented method for managing mobile workers in an object oriented programming environment comprising the steps of:

classifying within a database of a computer a plurality of target objects corresponding to facilities assets to be worked on by a mobile worker;

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defining the attributes any attributes of each target object, including the tasks any tasks to be performed on each target object;

scheduling mobile workers for the tasks to be performed on target objects by running a rule engine to determine the algorithms any algorithms and heuristics to be used to schedule mobile workers for the tasks to be performed; and

establishing a simulator database and running a simulator program to establish policy values in a simulation of the working a working of a system environment to determine optimum policy values for a given business.

- 27. (ORIGINAL) A method according to Claim 26, and further comprising the step of classifying the plurality of target objects within a server computer and outputting the schedule to a client computer operated by a mobile worker.
- 28. (ORIGINAL) A method according to Claim 26, and further comprising the step of communicating with a mobile worker via a telecommunications link and a hand-held, web based device.
- 29. (ORIGINAL) A method according to Claim 26, and further comprising the step of building a plurality of user configured system agents for one of at least automating work planning, scheduling tasks to workers, dispatching workers, stores management, job state management or end-of-shift management.

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- 30. (ORIGINAL) A method according to Claim 29, wherein the rule engine comprises a forward chaining rule engine with different rule sets for each system agent.
- 31. (ORIGINAL) A method according to Claim 26, wherein the rule engine determines a primary scheduling algorithm and parameters to be used for scheduling jobs to workers.
- 32. (CURRENTLY AMENDED) A method according to Claim 31, wherein the primary scheduling algorithm comprises a brute force scheduling algorithm that is operable by determining an n number of jobs and m workers, trying all combinations of n jobs on the schedules for m workers and choosing assignments that maximize the total a total utility of the workers' schedules.
- 33. (ORIGINAL) A method according to Claim 31, wherein the primary scheduling algorithm comprises a round robin scheduling algorithm that is operable by assigning jobs to mobile workers sequentially after ordering an unassigned job queue based on a change in job utility.
- 34. (CURRENTLY AMENDED) A method according to Claim 31, wherein the primary scheduling algorithm comprises a scheduling algorithm that assigns jobs to workers that maximize the maximize a job's utility.
- 35. (CURRENTLY AMENDED) A method according to Claim 34, wherein the wherein an unassigned job queue is ordered from the highest a highest utility to the lowest a lowest utility.

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- 36. (CURRENTLY AMENDED) A method according to Claim 34, wherein the wherein an unassigned job queue is ordered the lowest a lowest utility to the highest a highest utility.
- 37. (CURRENTLY AMENDED) A method according to Claim 26, wherein the algorithm comprises a rescheduling algorithm that is operable by determining the utility utility of unassigned jobs and rescheduling the assigned assigned jobs, replacing some assigned jobs with unassigned jobs on workers' schedules, based on an added utility.
- 38. (ORIGINAL) A method according to Claim 26, and further comprising the step of maintaining a historical database that reflects all changes in system configuration, including targets and tasks, based on running system agents and on user interactions.
- 39. (ORIGINAL) A method according to Claim 26, and further comprising the step of viewing status and changes of task, system agents and schedules of jobs within a business viewer.
- 40. (ORIGINAL) A method according to Claim 26, and further comprising the step of maintaining a system log of all activities.
- 41. (ORIGINAL) A method according to Claim 26, and further comprising the step of maintaining a policy database that allows users to configure system agents and a plurality



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of use cases corresponding to human and system interaction and definitions.

- 42. (CURRENTLY AMENDED) A method according to Claim 36 Claim 1, and further comprising the step of building definitions of targets and their tasks, according to the classification of the targets as templates, and using the templates to create each individual target of the classification.
- 43. (CURRENTLY AMENDED) A system for managing mobile workers comprising:

a plurality of target objects classified within a database of a computer corresponding to facilities assets to be worked on by a mobile worker, each target object having defined attributes, including the tasks any tasks to be performed on each target object; and

a rule engine contained within the computer that is operable to determine the algorithms any algorithms and heuristics to be used to schedule mobile workers for the tasks to be performed.

- 44. (ORIGINAL) A system according to Claim 43, wherein the computer comprises a server computer, and further comprising a communications link established with mobile workers over which a schedule of jobs is output to client devices of the mobile workers.
- 45. (ORIGINAL) A system according to Claim 43, and further comprising a plurality of user agents defined within

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the computer for one of at least automating work planning, scheduling tasks to workers, dispatching tasks to workers, dispatching workers, stores management, job state management or end-of-shift management.

- 46. (CURRENTLY AMENDED) A system according to Claim 43, wherein said algorithm comprises a brute force scheduling algorithm that is operable by determining an n number of jobs and m workers, trying all combinations of n jobs on the schedules for m workers and choosing assignments that maximize the total a total utility of the schedules for the workers.
- 47. (ORIGINAL) A system according to Claim 43, wherein the algorithm comprises a round robin scheduling algorithm that is operable by assigning jobs to mobile workers sequentially after ordering an unassigned job queue based on a change in job utility.
- 48. (ORIGINAL) A system according to Claim 43, and further comprising a policy database having rules and data for user configuring system agents and use cases corresponding to human and system interaction and definitions.
- 49. (ORIGINAL) A system according to Claim 43, and further comprising a simulator database and simulation program for establishing optimum policy values.